



PVM-20L1  
PVM-14L1  
PVM-9L1

CHANGING

## • COLOUR VIDEO MONITORS

Sony introduces its new, cost-effective PVM-L1 Series monitors, featuring resolutions up to 600 TV lines\*, and all the practical features you'd expect from Sony Trinitron® professional monitors.



THE WAY

Enhanced by stunning, high-resolution image quality and essential viewing functions, these new monitors are ideal for the demands of a wide range of picture-monitoring requirements - from corporate to production suites.

\* Featured on the PVM-20L1 and PVM-14L1 models

### Digital Comb Filter

The PVM-20L1 and PVM-14L1 models are equipped with an NTSC/PAL digital comb filter that enhances the luminance/chrominance separation used to reduce cross-colour interference and colour noise. This ensures clear and highly detailed picture reproduction.

BUSINESS

## Features

### Superior Picture Performance

#### High Picture Quality

All Sony PVM-L1 Series monitors use Trinitron CRT technology to provide clear and precise images. The PVM-20L1 and PVM-14L1 models generate a striking image resolution of 600 TV lines, while the PVM-9L1 model supports a resolution of 250 TV lines.

#### Beam-Current Feedback Circuit

When monitors are in continuous operation over long periods of time, their white balance is often prone to drift. To combat this, PVM-L1 Series monitors are equipped with a beam-current feedback circuit, which corrects white-balance drift and ensures the long-term stability of on-screen colour reproduction.

### Effective Operational Functions

#### 4:3/16:9 Capability

The aspect ratio can be easily switched between 4:3 and 16:9 via the on-screen menu facility.

#### Switchable Colour Temperature

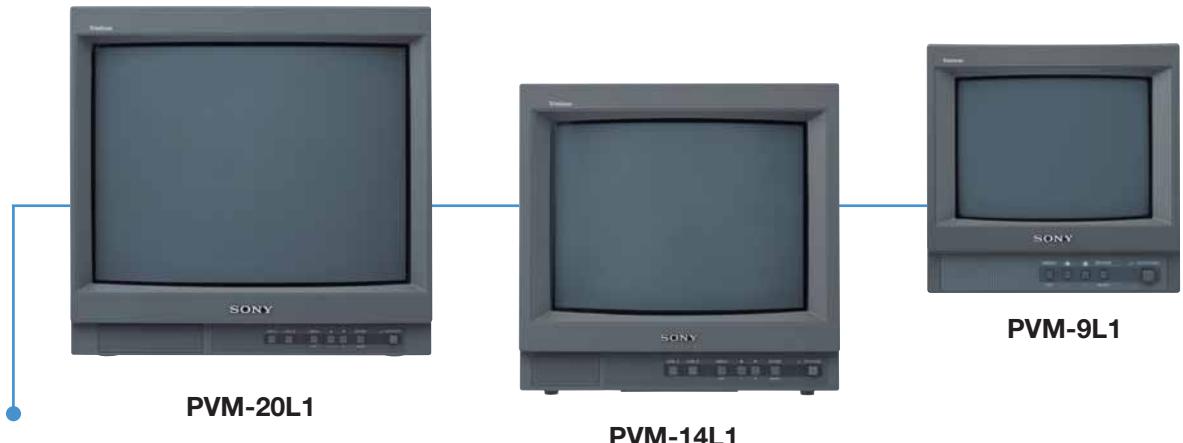
The colour temperature can be selected from a choice of D65, D93 or a user-defined preset (from 5000K to 10000K).

#### Six-Language On-Screen Display

Sony PVM-L1 Series monitors provide a variety of on-screen window-like menus for easy monitor adjustment and operation. The On-Screen Display is available in English, French, Spanish, German, Italian and Japanese.

COMMUNICATES

# PVM-L1 Series



## NTSC/PAL Operation

PVM-L1 Series monitors can automatically detect whether the composite signal input is NTSC or PAL. Therefore, users are not required to manually select the appropriate colour system.

## Other Features

### 19-inch EIA-Standard Rack Compatibility

PVM-9L1 monitors can be mounted side by side in a 19-inch EIA-standard rack using the optional MB-520 rack-mounting bracket. Empty spaces in the rack system can be covered with the optional MB-509 mounting panel. PVM-14L1 monitors can be mounted using the optional MB-502C mounting bracket, while the PVM-20L1 monitors can be mounted using the optional SLR-103C slide-rail kit.

### Audio-Monitoring Facility

All PVM-L1 Series monitors have an integrated speaker (0.8 W, monaural) that enables users to monitor sound.

### Worldwide Power Supply

Compatible with AC 100 to 240 V (50/60 Hz) power supply.

## Silver Support

Sony offers a comprehensive after sales support service to ensure that your PVM-L1 Series operates with optimum efficiency at all times. Whether you need remote diagnostics, on-site support or telephone help, Silver Support Pack can be configured to meet your needs now and adapted to your business requirements in the future.

Silver Support Pack is a flexible, scalable and affordable range of support agreements designed to maximise your uptime and functionality at a fixed cost. Silver Support Pack enables optimised return on investment and provides affordable peace of mind. The Sony Silver Support Pack is probably the most comprehensive after-sales package available in Europe - and it is dedicated to keeping your PVM-L1 Series running smoothly, efficiently and productively at all times.

Silver Support Pack for the PVM-L1 Series includes:

- 2 year duration.
- Multilingual specialist telephone assistance available during business hours offering advice on operational assistance and fault diagnosis.
- Loan unit of a product with similar specifications in case of more than 7 working days failure

(Loan Unit currently only available in mainland EU, Norway and Switzerland. For other countries please contact your local Sony Sales Office).

## Optional Accessories



**SLR-102**

Slide Rail Kit for the PVM-14L1.



**SLR-103C**

Slide Rail Kit (AEP) for the PVM-20L1.



**MB-502**

Rack Mount Bracket (AEP) for the PVM-14L1.



**MB-520**

Rack Mount Bracket for the PVM-9L1.



**MB-509**

Blank Panel for the PVM-9L1.

## Supplied Accessories

- AC cord (1)
- Operating Instructions (1)

## Rear Panel



**PVM-14L1 / PVM-20L1**

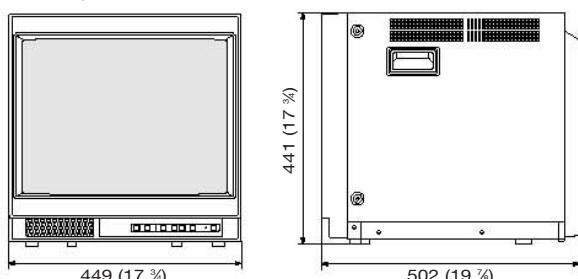


**PVM-9L1**

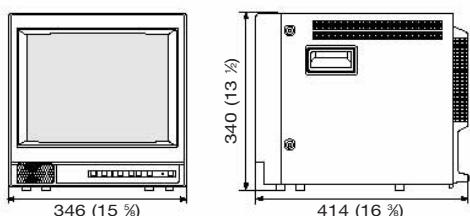
## Dimensions

Unit: mm (inches)

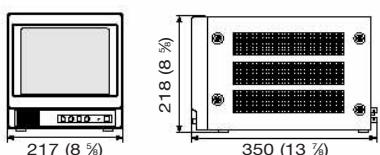
**PVM-20L1**



**PVM-14L1**



**PVM-9L1**



## Front Panel



**PVM-14L1 / PVM-20L1**



**PVM-9L1**

# PVM-L1 SERIES SPECIFICATIONS

		PVM-20L1	PVM-14L1	PVM-9L1		
<b>GENERAL</b>						
CRT	CRT type*	20-inch Trinitron	14-inch Trinitron	9-inch Trinitron		
	AG pitch	0.4 mm	0.25 mm	0.5 mm		
	Phosphor		P-22			
	Effective picture size (4:3)	385.8 (W) x 290.6 (H) mm, 481.3 (Diagonal) mm	267.5 (W) x 200.6 (H) mm, 340.0 (Diagonal) mm	159.5 (W) x 117.0 (H) mm 194.5 (Diagonal) mm		
Centre Resolution (Y/C input 4:3)		600 TV lines		250 TV lines		
Colour system		PAL, NTSC				
Frequency response		8.0 MHz (-6 dB)		4.0 MHz (-6 dB)		
Scanning frequency		15.734 kHz (NTSC), 15.625 kHz (PAL)				
Normal scan		7% overscan		6% overscan		
Linearity	Horizontal	Less than 8% (typical)				
	Vertical	Less than 7% (typical)				
Convergence	Centre	0.5 mm (Typical)	0.4 mm (Typical)			
	Peripheral	0.7 mm (Typical)	0.5 mm (Typical)			
Raster size stability	Horizontal	1.0% (typical)				
	Vertical	1.5% (typical)				
HV regulation		4.0% (typical)	3.5% (typical)	3.0% (typical)		
Colour temperature		D65/D93/User adjustable				
Power requirements		AC 100 to 240 V, 50/60 Hz				
Power consumption (Typical)		75 W	68 W	40 W		
Dimensions (W x H x D)		Approx. 449 x 441 x 502 mm (17 1/2 x 17 1/2 x 19 1/2 inches)	Approx. 346 x 340 x 414 mm (13 1/2 x 13 1/2 x 16 1/2 inches)	Approx. 217 x 218 x 350 mm (8 1/2 x 8 1/2 x 13 1/2 inches)		
Mass		Approx. 28.0 kg (61 lb 12 oz)	Approx. 15.0 kg (33 lb 1 oz)	Approx. 6.3 kg (13 lb 14 oz)		
<b>INPUT/OUTPUT</b>						
Line A	Composite	Loop-through BNC, 1.0 Vp-p +3 dB/-6 dB, sync negative, automatic 75 Ω termination				
	Y/C**	Loop-through Mini Din 4-pin, automatic 75 Ω termination				
	Y	1.0 Vp-p, sync negative				
	Audio	Phono jack, -5 dBu 47 kΩ or higher				
Line B	Composite	BNC, 1.0 Vp-p, sync negative, automatic 75 Ω termination		-		
	Y/C**	Mini Din 4-pin, automatic 75 Ω termination		-		
	Y	1.0 Vp-p, sync negative		-		
	C	0.286 Vp-p (NTSC), 0.3 Vp-p (PAL) 75 Ω termination		-		
	Audio	Phono jack, -5 dBu 47 kΩ or higher		-		
Remote	Parallel remote	Modular 8-pin (Fixed)				
Audio output		0.8 W (Distortion: Less than 5%)				
<b>REGULATION COMPLIANCE</b>		UL-1950, CSA-950, EN 60950, VCCI class A, FCC class A, IC class A, C-Tick, CE (LVD), CE (EMC), JEITA, DHHS, DNHW, CCC, KTL, BSMI				
OPERATING CONDITIONS	Operating temperature	0 to +35° C (+32 to +95° F)				
	Storage temperature	-10 to +40° C (+14 to +104° F)				
	Operating humidity	35 to 85% (No condensation)				
	Storage humidity	0 to 90%				

\* Viewable area, measured diagonally.

\*\* The Y/C input has priority over the composite input.

Sony address/contact details/dealer stamp

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